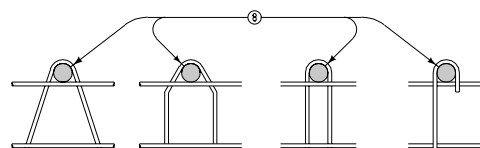
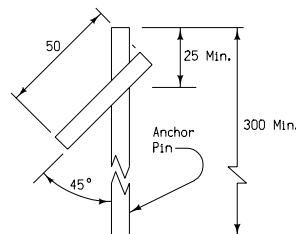


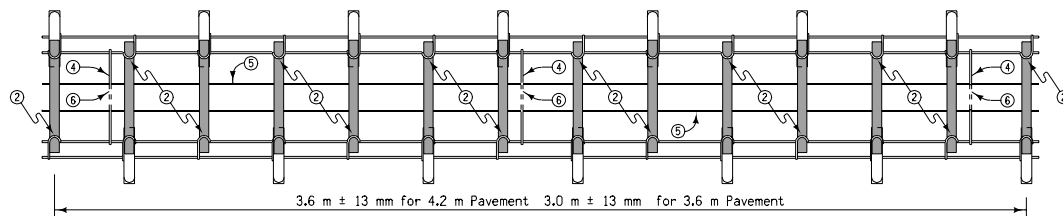
SECTION THRU EXPANSION JOINT ①



OPTIONAL LEG ASSEMBLIES

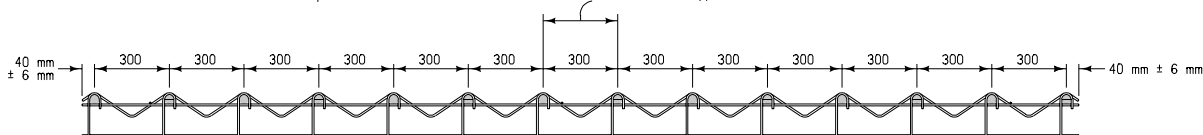


ANCHOR PIN DETAILS ①



PLAN VIEW

Spaces between dowel bars are nominal dimensions with a 1/4" allowable tolerance.



ELEVATION

### JOINT OPENING AND EXPANSION TUBE EXTENSION

Joint Type	(X)	Minimum Tube Length
"ED"	25 mm	152 mm
"EE"	50 mm	178 mm
"EF"	100 mm	229 mm

### DOWEL HEIGHT AND DIAMETER

(T)	(DH) ⑦	Diameter
180-190 mm	90 mm	20 mm
200-240 mm	110 mm	30 mm
250-290 mm	135 mm	35 mm
300-330 mm	160 mm	35 mm


### GENERAL NOTES:

Dowel bars shall be 457 mm long with a tolerance of  $\pm 3$  mm. The centerline of individual dowels shall be parallel to the other dowels in the assembly within  $\pm 3$  mm.

Wire sizes shown are minimum required, and the wire shall have a minimum tensile strength of 345 MPa.

- ① (8) anchor pins minimum required, 4 per side. Pins shall be #1/0 gage (8 mm) wire, be a minimum 300 mm long, and shall prevent movement of assembly during construction.
- ② Weld alternately thru-out.
- ③ #1/0 gage (8 mm) wire.
- ④ (3) #10 gage (4 mm) wire, tie wire welded or friction fit to top longitudinal wire, both sides.
- ⑤ 6 mm dia. wire minimum
- ⑥ Clip and remove center portion of tie during field assembly.
- ⑦ Measured from the centerline of dowel bar to bottom of support wire  $\pm 6$  mm.
- ⑧ Diameter of bend around dowel is dowel diameter  $\pm 3$  mm to 5 mm.

All dimensions given in millimeters unless noted.

METRIC VERSION	M  Iowa Department of Transportation Highway Division	
	<b>STANDARD ROAD PLAN RH-56</b>	
	REVISION: Removed table with number of dowels.	REVISION NO. 4
	<i>William J. Skan</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 10-21-03
	FABRICATION DETAILS EXPANSION JOINT DOWEL ASSEMBLY	